

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	3	("5344535" "5569367" "7373805").PN.	US-PGPUB; USPAT	OR	ON	2009/06/19 14:10
S3	1	("5711888").PN.	US-PGPUB; USPAT	OR	ON	2009/06/19 14:38
S4	1	"4983189".PN.	US-PGPUB; USPAT	OR	ON	2009/06/19 14:58
S5	1	"6332541".PN.	US-PGPUB; USPAT	OR	ON	2009/06/19 15:01
S6	0	((Hawkes-Jeremy Coakley-William).IN. ("Secretary of State for the Defense").AS.)	US-PGPUB; USPAT	OR	ON	2009/06/19 15:18
S7	0	(Hawkes-Jeremy Coakley-William).IN.	US-PGPUB; USPAT	OR	ON	2009/06/19 15:18
S8	752	(Hawkes Coakley).IN.	US-PGPUB; USPAT	OR	ON	2009/06/19 15:19
S9	58	(Hawkes Coakley).IN. and separat\$4 and (acoustic sound sonic ultrasonic megasonic)	US-PGPUB; USPAT	OR	ON	2009/06/19 15:19
S10	84	(Hawkes Coakley).IN. and separat\$4 and (acoustic sound sonic ultrasonic megasonic node)	US-PGPUB; USPAT	OR	ON	2009/06/19 15:19
S11	126	(Hawkes Coakley).IN. and (acoustic sound sonic ultrasonic megasonic node)	US-PGPUB; USPAT	OR	ON	2009/06/19 15:43
S12	42	S11 not S10	US-PGPUB; USPAT	OR	ON	2009/06/19 15:43
S13	0	("Secretary of State for the Defense").AS.	US-PGPUB; USPAT	OR	ON	2009/06/19 15:51
S14	26	("5763906" "6379697" "6127996" "6958198" "6127679" "6322895" "5748166" "6143411" "6547982" "6399228" "6377918" "6078421" "6388256" "6511612" "6485583" "6565853" "6850013" "6608120" "6864944" "6770579" "20030036072" "7537771" "6822226" "20060163166" "20060157614" "20080111448").PN.	US-PGPUB; USPAT	OR	ON	2009/06/19 15:56
S15	1	"6332541".PN.	US-PGPUB; USPAT	OR	ON	2009/06/19 15:59
S16	6	(US-20060163166-\$ or US-20060096353-\$). did. or (US-5711888-\$ or US-7373805-\$ or US-4983189-\$ or US-6332541-\$).did.	US-PGPUB; USPAT	OR	ON	2009/06/19 16:00
S17	163	coakley.IN.	EPO; DERWENT	OR	ON	2009/06/20 08:27

## EAST Search History (Prior Art)

S18	1378	(134/1 134/10 134/34 134/36 134/42 134/60 134/104.2 134/104.3 134/104.4 134/109 134/201 209/1 209/4 209/13 209/17 209/18 209/155-161).ccls. and separat\$4 and (acoustic sound sonic ultrasonic megasonic)	US-PGPUB; USPAT	OR	ON	2009/06/20 08:51
S19	92	S18 and laminar	US-PGPUB; USPAT	OR	ON	2009/06/20 08:52
S20	352	S18 and reflect\$4	US-PGPUB; USPAT	OR	ON	2009/06/20 09:10
S21	77	S18 and ("standing wave" "pressure node")	US-PGPUB; USPAT	OR	ON	2009/06/20 09:39
S22	7630	separat\$4 and (acoustic sound sonic ultrasonic megasonic) and @PY< "2002"	JPO	OR	ON	2009/06/20 09:52
S23	46	separat\$4 and (acoustic sound sonic ultrasonic megasonic) and @PY< "2002" and ("standing wave" "pressure node")	JPO	OR	ON	2009/06/20 09:52
S25	14	separat\$4 and (acoustic sound sonic ultrasonic megasonic) and @PY< "2002" and ("standing wave" "pressure node")	EPO	OR	ON	2009/06/20 10:01
S26	6	(US-20060163166-\$ or US-20060096353-\$). did. or (US-5711888-\$ or US-7373805-\$ or US-4983189-\$ or US-6332541-\$).did.	US-PGPUB; USPAT	OR	ON	2009/06/20 10:23
S28	7	(US-20060163166-\$ or US-20060096353-\$). did. or (US-5711888-\$ or US-7373805-\$ or US-4983189-\$ or US-6332541-\$).did. or (WO-9850133-\$).did.	US-PGPUB; USPAT; EPO	OR	ON	2009/12/02 14:17
S31	676	(acoustic sound sonic ultrasonic megasonic) and @PY< "2003" and ("standing wave" "pressure node")	JPO	OR	ON	2009/12/02 14:25
S32	5	(acoustic sound sonic ultrasonic megasonic) and @PY< "2003" and ("standing wave" "pressure node") and (laminar with fluids)	US-PGPUB; USPAT	OR	ON	2009/12/02 14:25
S33	123	(acoustic sound sonic ultrasonic megasonic) and @PY< "2003" and ("standing wave" "pressure node") and laminar	US-PGPUB; USPAT	OR	ON	2009/12/02 14:26
S34	118	S33 not S32	US-PGPUB; USPAT	OR	ON	2009/12/02 14:26
S35	2242	210/748.ccls.	US-PGPUB; USPAT	OR	ON	2009/12/02 15:04
S36	1246	210/748.ccls. and @PY< "2003"	US-PGPUB; USPAT	OR	ON	2009/12/02 15:05
S37	246	210/748.ccls. and @PY< "2003" and (acoustic sound sonic ultrasonic megasonic)	US-PGPUB; USPAT	OR	ON	2009/12/02 15:05
S38	54	210/748.ccls. and @PY< "2003" and (acoustic sound sonic ultrasonic megasonic) and ("standing wave" "pressure node")	US-PGPUB; USPAT	OR	ON	2009/12/02 15:06

## EAST Search History (Prior Art)

S39	59	210/748.cds. and @PY< "2003" and (acoustic sound sonic ultrasonic megasonic) and ("standing wave" node)	US-PGPUB; USPAT	OR	ON	2009/12/02 15:06
S40	11	(piezoceramic with window) and @PY< "2003"	US-PGPUB; USPAT	OR	ON	2009/12/02 15:21
S41	187	S37 not S39	US-PGPUB; USPAT	OR	ON	2009/12/02 15:43
S42	15	(US-20060163166-\$ or US-20060096353-\$ or US-20020160470-\$).did. or (US-5711888-\$ or US-7373805-\$ or US-4983189-\$ or US-6332541-\$ or US-5979664-\$ or US-5419877-\$ or US-6216538-\$ or US-5858107-\$ or US-4743361-\$ or US-4703333-\$ or US-RE33524-\$).did. or (WO-9850133-\$).did.	US-PGPUB; USPAT; EPO	OR	ON	2009/12/02 15:45
S43	1	"4743361".PN.	US-PGPUB; USPAT	OR	ON	2009/12/03 08:08
S44	15	(US-20060163166-\$ or US-20060096353-\$ or US-20020160470-\$).did. or (US-5711888-\$ or US-7373805-\$ or US-4983189-\$ or US-6332541-\$ or US-5979664-\$ or US-5419877-\$ or US-6216538-\$ or US-5858107-\$ or US-4743361-\$ or US-4703333-\$ or US-RE33524-\$).did. or (WO-9850133-\$).did.	US-PGPUB; USPAT; EPO	OR	ON	2009/12/03 09:51
S45	2638	particle and (acoustic sonic ultrasonic megasonic)	JPO	OR	ON	2009/12/03 10:00
S47	3	"particle handling" and (acoustic sonic ultrasonic megasonic) and @PY< "2003"	JPO	OR	ON	2009/12/03 10:01
S48	117	(particle with separat\$4) and (acoustic sonic ultrasonic megasonic) and @PY< "2003"	JPO	OR	ON	2009/12/03 10:03
S49	821	("standing wave" node) and (acoustic sonic ultrasonic megasonic) and @PY< "2003"	JPO	OR	ON	2009/12/03 10:13
S50	136	("standing wave" node) and (acoustic sonic ultrasonic megasonic) and @PY< "2003"	EPO	OR	ON	2009/12/03 13:11
S51	1	"4743361".PN.	US-PGPUB; USPAT	OR	ON	2009/12/03 13:32
S52	16	(US-20060163166-\$ or US-20060096353-\$ or US-20020160470-\$).did. or (US-5711888-\$ or US-7373805-\$ or US-4983189-\$ or US-6332541-\$ or US-5979664-\$ or US-5419877-\$ or US-6216538-\$ or US-5858107-\$ or US-4743361-\$ or US-4703333-\$ or US-RE33524-\$).did. or (WO-9850133-\$).did. or (JP-11352048-\$).did.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/04/04 11:22

## EAST Search History (Prior Art)

S53	120	("standing wave" node) same (acoustic sonic ultrasonic megasonic) and (reflect\$4 with wave) and ((acoustic sonic ultrasonic megasonic wave node) with mov\$4 with particle)	US-PGPUB; USPAT	OR	ON	2010/04/04 12:29
S54	4	("6881314" "5993631" "6936151" "20050106064").PN.	US-PGPUB; USPAT	OR	ON	2010/04/04 12:34
S55	389	("204" "210" "209").clas. and ("standing wave" node) and (acoustic sonic ultrasonic megasonic)	US-PGPUB; USPAT	OR	ON	2010/04/05 11:10
S56	24	(US-20060163166-\$ or US-20060096353-\$ or US-20020160470-\$ or US-20090194420-\$ or US-20060037915-\$ or US-20040069717-\$ or US-20040069708-\$).did. or (US-5711888-\$ or US-7373805-\$ or US-4983189-\$ or US-6332541-\$ or US-5979664-\$ or US-5419877-\$ or US-6216538-\$ or US-5858107-\$ or US-4743361-\$ or US-4703333-\$ or US-RE33524-\$ or US-6881314-\$ or US-6929750-\$ or US-6245207-\$ or US-5902489-\$).did. or (WO-9850133-\$).did. or (JP-11352048-\$).did.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/04/05 13:47
S57	24	(US-20060163166-\$ or US-20060096353-\$ or US-20020160470-\$ or US-20090194420-\$ or US-20060037915-\$ or US-20040069717-\$ or US-20040069708-\$).did. or (US-5711888-\$ or US-7373805-\$ or US-4983189-\$ or US-6332541-\$ or US-5979664-\$ or US-5419877-\$ or US-6216538-\$ or US-5858107-\$ or US-4743361-\$ or US-4703333-\$ or US-RE33524-\$ or US-6881314-\$ or US-6929750-\$ or US-6245207-\$ or US-5902489-\$).did. or (WO-9850133-\$).did. or (JP-11352048-\$).did.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/04/06 08:06
S58	1	"20040069708".PN.	US-PGPUB; USPAT	OR	ON	2010/04/06 08:48

## EAST Search History (Interference)

		< This search history is empty>			
--	--	---------------------------------	--	--	--